

*F*ORTHCOMING PUBLICATIONS

Volume 80, (2006)

Astrophysics, Atmospheric & Space Physics

Impacts of the 20th January 2005 solar proton event on the ozone concentration of Indian cities

NANDITA D GANGULY AND K N IYER

Atomic & Molecular Physics

Chemical effects in Ag and Cr compounds studied by EDXRF, WDXRF and PIXE

DAISY JOSEPH, A SAXENA, S KAILAS, R R KAIMAL, A KADAM,
S V KUMAR AND G L N REDDY

Biophysics

Direct phasing of one-wave length anomalous scattering data : A high throughput tool in structural genomics

S SELVANAYAGAM, D VELMURUGAN AND T YAMANE

Condensed Matter & Materials Physics

Ground state energy in a spherical GaAs-(Al, Ga)As quantum dot with parabolic confinement

A KAR AND C BOSE

Calculation of photocurrent in Al and Be by using the free electron potential model for the crystal

R K THAPA, S R GURUNG, G DAS AND R BHATTACHARJEE

Study of electrical properties and the crystallization kinetics of α -Ge_{30-x} Sb_x S₇₀ films

EL-SAYED M FARAG

General & Interdisciplinary Physics

Unsteady MHD convection and mass transfer flow of micropolar fluids past a vertical permeable moving plate with heat absorption

MOHAMED M ABDELKHALEK

An exact solution of the time-dependent Ginzburg-Landau equations for propagating fronts in superconductor

J N ISLAM AND M R ISLAM

Plasma Physics

Stimulated Brillouin scattering and filamentation of two crossed laser beams in a thermal force dominated plasma

J PARASHAR

Third harmonic generation by an obliquely incident laser on a vacuum-plasma interface

J PARASHAR

Notes

Diffusion thermopower in CdSe single quantum wells

A GHOSAL AND D CHATOPADHYAY

Analysis of thermal expansivity of NaCl and KCl crystals at high temperatures

S K SRIVASTAVA

Complex shape parameter for *s*-wave scattering from zero-energy wave functions

ANJANA ACHARYA